

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0

KOLECHITSKIY, Ye.S., inzh.; FOTIN, V.P., kand. tekhn. nauk

Operation of electric power transmission systems without
disconnecting switches at the high-voltage end. Elek. sta.
35 no.12:35-39 D '64.

(MIRA 18:2)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0"

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CIA-RDP86-00513R000413520015-0

FOTIN, V.P.

Evaluation of the errors of iterated networks in modeling
a line during the study of internal overvoltages. Trudy
MEI no.64:139-148 '65. (MIEA 19:1)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0

NICOLAU, C.T., prof.; GRIGORIU, Gh., dr.; APATEANU, V., dr.; NICOARA, S.,
dr.; FOTINA, M., dr.

Bone marrow transfusion technic. Med. intern., Bucur 12 no.11:
1737-1742 N '60.

(BONE MARROW transplantation)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0"

FOTINICH, I.D.

[Manufacture of concentrated nitric acid] Proizvodstvo kontsen-
trirovannoi azotnoi kislotoy. Moskva, Gos. nauchno-tekh. izd-vo
khim. lit-ry 1952. 241 p.
(Nitric acid)

YOTINICH, Ivan Dmitriyevich; LEVINSKIY, V.B., redaktor; SHPAK, Ye.G.,
tekhnicheskly redaktor

[Production of nitrogen fertilizer] Proizvodstvo azotnykh udobrenii.
Moskva, Gos. nauchno-tekhn. izd-vo khim. lit-ry, 1956. 247 p.
(Nitrogen industries) (MLRA 10:1)
(Fertilizers and manures)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0

FOTINICH, I.D., kand.ekonom. nauk

Economic effectiveness of capital investments in the chemical
industry. Zhur.VKHO 9 no.1:41-52 '64. (MIRA 17:3)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0"

FOTINICH, I.D.

USSR/ Chemical Technology. Chemical Products and Their
Application. Nitrogen industry

I-3

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12332

Author : Fotinich I.D.

Inst : Central Laboratories of Enterprises of the Nitrogen
Industry

Title : Concerning the Work of the Central Laboratories of
Enterprises of the Nitrogen Industry

Orig Pub : Khim. prom-st', 1956, No 5, 39-40

Abstract : No abstract.

Card 1/1

- 6 -

Fotino, M.

✓ Research concerning the action of morphine on tissue
receptors. Action of morphine on the gall bladder. I. Due
Danilescu, S. Fotino, M. Corneanu, A. Buzui, and D.
Popescu. *Comun. Acad. Rep. Populară Române*, 5, 225-8
(1955).—The action of morphine on the contractility of
the gall bladder was studied together with the action on re-
ceptors by perfusing the spleen and recording the contrac-
tibility of the ileum. A. Halasz, M.

ARDELEAN, I.; CALAIU, Gh.; DENISTEA, C.; MESROBEANU, L.; GRIGORIU, T.; STANICA, N.; DUMITRANSCU, V.; NITRICA, N.; FOTINO, M.

Anti-diphtheria vaccination in the Rumanian People's Republic;
study of the immunizing value of diphtheria anatoxin of Ramon as
compared with precipitated anatoxin. Stud. cercet. inframicrobiol.,
Bucur. 6 no.3-4:477-512 July-Dec. 1955.

(DIPHTHERIA, prev. & control

vacc., comparative value of Ramon's anatoxin & precipitated
anatoxin)

(VACCINES AND VACCINATION

diphtheria vaccines, comparative value of Ramon's anatoxin
& precipitated anatoxin)

POTINO, Marilena, Dr.

Serology of auto-immune hemolytic anemia; general report.
Med. int., Bucur. 8 no.2:176-188 Apr-May 56.

1. Centrul de Hematologie.

(ANEMIA HEMOLYTIC

auto-immune, serol. aspects, classif. & ther.)

(ANTIBODIES

auto-immune hemolytic anemia antibodies, detection &
properties)

FOTINO, Marilena, Dr.

Papain treatment of erythrocytes for detection of incomplete antibodies. Med. int., Bucur. 8 no.4:579-583 Aug 56.

(ANTIBODIES

incomplete antibodies detected by papain-treated erythrocytes)

(RH FACTORS

incomplete antibody detection with papain-treated erythrocytes)

(ERYTHROCYTES

papain-treated erythrocytes in detection of incomplete antibodies)

GOL'D, E.; FOTINO, M.

Complement content and the anticomplementary activity of serum in immunologic hemolytic anemia. Probl. genet. i perel. krovi 1 no.6; 18-25 N-D '56.
(MLNA 10:1)

1. Iz Tsentra genetologii i perelivaniya krovi (dir. - prof. K.T. Nikolau) Ministerstva zdravookhraneniya Rumynskoy Narodnoy Respubliki.
(ANEMIA, HEMOLYTIC, blood in complement content and anticomplement activity)
(COMPLEMENTS content & anticomplement activity in hemolytic anemia)

FOTINO, M.

GOLD, E., dr.; FOTINO, M. dr.

Various immunological aspects of diseases of autoaggression. Med. int.,
Bucur. 9 no.6:829-840 June 57.

1. Notiuni de filaxie.

(ALLERGY

autoimmunization in etiol. of leukopenia, thrombopenia,
polyarthritis & other dis., diag. & immunol. factors.)

(LEUKOCYTES

leukopenia as autoaggressive dis., diag. & immunol. aspects.)

(ERYTHROCYTES

erythroopenia as autoaggressive dis., diag. & immunol.
factors)

(ARTHRITIS RHEUMATOID, etiol. & pathogen.

autoimmun. factors, in chronic evolutive polyarthritis)

HERISAN, S.; MOSCOVICI, I.; NICOLAESCU, T.; MAXIM, Cristina; POTINO, Marilena

Auto-immune hemolytic anemia with pulmonary hemosiderosis. Med. int.,
Bucur. 9 no.12:1869-1875 Dec 57.

1. Spitalul "Dr. V. Babes" si Centrul de hematologie.

(ANEMIA HEMOLYTIC, case reports

auto-immune anemia with pulm. hemosiderosis)

(HEMOSIDEROSIS, case reports

pulm., with auto-immune hemolytic anemia)

FOTINO, M.; YANNU, K.; POPPA, S.

Comparative study of various methods for detecting the dangerous universal donor. Probl.gemat. i perel.krovi no.3:3-8 '62.
(MIRA 15:3)
1. Iz TSentra hematologii i perelivaniya krovi (Bukharest).
(BLOOD GROUPS) (BLOOD DONORS)

NIKOLAU, K.T. [Nicolau, K.T.]; GRIGORIU, G.; APATYANU, V. [Apatianu, V.];
NIKOROVA, S. [Micorova, S]; FOTINO, M.

Technic of bone marrow transfusion. Probl.gemat.i perel.krovi.
no.5:35-37 '62. (MIRA 15:8)

1. Iz Instituta gematologii i perelivaniya krovi v Bukhareste.
(MARROW--TRANSPLANTATION)

FOTINO, Marilena

✓

RADAUA

NICOLAU, C. T., Professor, Corresponding Member of the Academy of
the R.P.R.; FOTINO, Marilena, MD; APATEANU, V., MD.

Center for Haematology, Bucharest (Centrul de hematologie,
Bucuresti); Director: Professor C. T. Nicolau.-(for all)

Bucharest, Medicina Internă, No 12, Doc 63, pp 1425-1433

"Immunoserologic Control of Patients Transfused with Homologous
Bone Marrow."

NICOLAU, C.T., prof.; FOTINO, Marilena, dr.; APATEANU, V., dr.

Immunoserological control of patients treated with homologous bone marrow transfusion. Med. intern. 15 no.12:1425-1433 D'63.

1. Lucrare efectuata la Centrul de hematologie, Bucuresti (director: prof. C.T.Nicolau). 2. Membru corespondent al Academie R.P.R. (for Nicolau).

NICOLAU, C.T., prof.; TEITEL, P., dr.; POTIRI, M., dr.; BUTOIANU, E., dr.;
TAIGAN, S., dr.

Frequency of changes in the plasticity and sensitization of erythrocytes by autoantibodies in different blood diseases. (3 years of clinical experience in the use of the erythrocyte filterability test). Med. intern. (Bucur.) 16 no.8:907-915 Ag '64.

1. Lucrare efectuata in Clinica de hematologie a Facultatii de perfectionare si specializare a medicilor, Institutul medico-farmaceutic, Bucuresti.

NICOLAE, C.P.; TEITEL, P.; FOTIU, M.; BOGDAN, S.; RUMAR, S.

The frequency of plasticity alterations and sensitization of erythrocytes with autoantibodies in various blood diseases.
(Three years' experience in clinical application of the erythrocyte filtrability test.), Romanian med. rev. 19 no.1:
22-29 Ap-Jo '65.

H. TING S.

[Handwritten mark] Non-specific pharmacodynamic investigations on the interceptor action of atropine, nicotine, and ethyl alcohol
D. Danielașolu, Marin Popescu, S. Patru, and Andrei Mirza. *Cuvinte și rezultate*. Revista de științe (1954).—The hypothesis is advanced that, concerning non-specific action, the neuron acts identically in all its constituent parts to chem. mediators, ions, and medicaments. This concept is based on the action of atropine. Atc and nicotine stimulate only to a certain dose and exert an excitatory action on nerve centers, on the endocrine glands, and the terminal organs. These substances inhibit in strong doses the acetylcholine action as well as the excitatory action of interceptors. In the action of nicotine and EtOH, the difference between the action of small and large doses should be taken into consideration, since they are manifested on the nerve cells, on the endocrinial cells, and on the specific cells in terminal organs. Nicotine and EtOH are stimulants of all the functions of the organism. T. Z. D.

[Handwritten mark]

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Rumania/Pharmacology. Toxicology. Narcotic Drugs U-1

Abs Jour : Ref Zhur-Biol., No 7, 1958, 32787

Author : Daneilopolu D., Corneanu M., Palac M., Fotino S., Stoiculescu P., Radescu S., Popescu I., Petrrescu E.

Inst : Medical Academy of the Rumanian People's Republic.

Title : Investigation of the Nonspecific Pharmacodynamics of the Action of Soporific Drugs. Their Application in Experimental Physiology and Therapy.

Orig Pub : Sucrarile Sesiunii stiint. sec. stiinte med. Acad. R. P. R., 1954, Bucuresti, 1955, 9-48

Abstract : The premise that soporifics affect only the higher nervous centers is contradictory to the premise that all these preparations as a rule act equally on all sections of the neuron. Danielopolu thinks that 2 types of action by the drugs and physical agents should be distinguished: "the interstimulating

Card 1/4

Rumania/Pharmacology. Toxicology. Narcotic Drugs U-1

Abs Jour : Ref Zhur-Biol., No 7, 1958, 32787

Abstract : antagonistic mechanism" and "the corticoendocrine effector mechanism." In order to clarify the mechanism of the action of soporifics the authors investigated the actions of chloral, chloralose, paraldehyde, and luminal. Their influence on the action of the mediators-acetylcholine (I) and histamine (II), and also of the ions of potassium on the uterus of a virgin guinea pig; on the terminal section of the iliac of the same animal; on the straight muscle of a frog's abdomen; on the stimulation of the excretion of adrenalin (III) in a dog induced by KCl of 1; on the effect of III on the blood pressure of animal; and on the increase in the secretion of III induced by the irritation of the splanchnik was investigated. The authors found that like the action of other drugs the action of soporifics may be nonspecific and

Card 2/4

Rumania/Pharmacology. Toxicology. Narcotic Drugs. U-1

Abs Jour : Ref Zhur-Biol., No 7, 1958, 32787.

Abstract : by a second paralysis caused by exhaustion. In experiments on a dog luminal inhibited the action of l (produced a frenatal action); the greater the dose the greater its inhibition. It was impossible to differentiate between this action and its specific paralyzing action. Small doses of chloral, paraldehyde, and chloralose as a result of their nonspecific action intensify the effect of l on the nervous system; large doses depress it (specific frenatal effect). In some small animals chloralose may induce spasms. Luminal interferes with the increase in the secretion of lll by the myeloid substance of the suprernals induced by l and potassium ions. Chloral, paraldehyde, and chloralose have no effect on the secretion of lll.

Card 4/4

FOTINO S.

✓ Nonspecific pharmacodynamic research on the action of phenergan and antistine on the tissue receptors. I. Danielopolu, Marin Popescu, S. Fotino, Andrei Mirza, and I. Popescu. *Comun. Acad. Rep. Populară Române* 5, 215-10 (1955).—The action of phenergan, antistine, and utergan on the receptors was that of a braking effect. In the organs perfused by these substances, KCl and histamine did not provoke reflexes. A. Halasz.

5

4
Nonspecific pharmacodynamic research on the action of cardiazole, eserine and strophanthin on the receptor reflexes. D. Danielopolu, Marin Popescu, S. Fotino, and I. Popescu. *Comun. Acad. Rep. Populare Române* 5, 221-3 (1955).—The strophanthin and eserine when injected in the splenic perfusion liquid excite tissue receptors by provoking reflexes and exaggerating the reflexes provoked by KCl injected in the perfusion liquid. The cardiazole exaggerates the respiratory reflex provoked by the injected KCl in the perfusion liquid.
A. Halasz

DANIELOPOLU, D.; FOTINO, S.; HAULICA, I.; POPESCO, I.

Phenomenon of transliminar exhaustion of tissue receptors following strong irritation of its formations. Acta physiol.hung. ? no.1-2: 81-89 1955.

1. Institut de physiologie normale et pathologie de l'academie de la Republique Populaire Roumaine.

(NERVOUS SYSTEM, physiology,

exhaustion of receptors after strong irritation)

(SPLMEN, physiology,

eff. of irritation on neural receptors, exhaustion after strong irritation)

(INTESTINES, physiology,

eff. of irritation on neural receptors, exhaustion after strong irritation)

DANIELOPOLU, D.; FOTINO, S.; HAULICA, I.

Phenomenon of transmiliar exhaustion of chromatoffin tissue consecutive to strong irritation. Acta physiol.hung.7 no.1-2:91-101 1955

1. Institut de physiologie normale et pathologique de l'academie de la Republique Populaire Roumaine.

(CHROMATOFFIN SYSTEM, physiology,

eff. of irritation, exhaustion)

(NERVOUS SYSTEM, physiology,

exhaustion of chromatoffin tissue after strong irritation)

DANIMLOPOLU, D., academician.; POTINO, S.,; HAULICA, I.,; POPESCU, I.

Reactivity phenomenon of tissue interoceptors after strong
stimulation. Bul. stiint., sect. med. 7 no.2:335-347 Apr-June 55.

(NERVE ENDINGS, eff. of drugs on
potassium chloride, causing reactivity phenomenon, in dogs)
(POTASSIUM
chloride, eff. on tissue interoceptors, in dogs)

FITIM, S.

Experimental studies on the innervation of the spleen.

p. 119 (Academia Republicii Popular Romine. Institutul de Fiziologie Normală și Patologică. Studii și Cercetări de Fiziologie. Vol. 1, no. 1/2, Jan./June 1956. București, Rumania)

Monthly Index of East European Accessions (EMI) LC. Vol. 7, no. 2,
February 1958

RUMANIA/Human and Animal Physiology. The Sensory Organs

T-13

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65817

Author : Danielopolu D., Fotino S., Haulica I.

Inst : Romanian Academy

Title : An Investigation of the Effect of Ionic K and Ca on the Deep Tissue Sensitivity Zone

Orig Pub : Studii si cercetari fiziol. Acad. RPR, 1956, 1, No 3-4,
273-281

Abstract : Perfusion of the spleen with simultaneous recording of blood pressure, respiration and movements of the iliac colon was performed upon anesthetized dogs. The addition of 0.1 gm KCl to the perfusate produced a depression of intestinal movements and of vascular and respiratory reflexes. The addition of KCl in the stated dose after 0.2 gm CaCl₂ had been added to the perfusate did not produce any such reaction in the course of ~ $\frac{1}{2}$ hour. When 0.1 gm KCl plus 0.01 gm CaCl₂ was introduced along with the perfusate, the reaction of the effectors was increased, but with a greater amount of

Card : 1/2

BRUCKNER, I., Prof.; FOTINO, Serban, dr.; BERCEANU, Doralina, dr.

A case of grave idiopathic panmyelophthisis cured with ACTH and cortisone. Med. int., Bucur. 8 no.2:264-269 Apr-May 56.

1. Lucrare facuta in Clinica IV medicala a Spitalului, Filantropia, Director: prof. dr. I. Bruckner.

(BONE MARROW, diseases

panmyelophthisis, ther., ACTH & cortisone, recovery)

(ACTH, ther. use

panmyelophthisis, with cortisone, recovery)

(CORTISONE, ther. use

panmyelophthisis, with ACTH, recovery)

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CIA-RDP86-00513R000413520015-0

FOTINO, S.; STOICULESCU, P.

Experimental studies on splenic nerve supply. Romanian M. Rev. 1 no.4:
16-18 Oct-Dec 57.

(SPLINE, innervation
splenic nerve supply)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0"

FOTINO, Serban, Dr.

Serotonin (5-hydroxytryptamine) and the carcinoid syndrome. Med. int.,
Bucur. 9 no.7:980-994 July 57.

1. Clinica medicala Filantropia, director prof. I. Bruckner.
(MALIGNANT CARCINOID SYNDROME,
pathogen. & pathol. role of serotonin hypersecretion & metab.)
(SEROTONIN
secretion & metab. in malignant carcinoid synd.)

BRUCKNER, I.; FOTINO, Serban; PURICE, Simion

Clinical studies of the pathogenesis of the syndrome of idiopathic hypo-proteinemia. Med. int., Bucur. 9 no.7:1010-1020 July 57.

(BLOOD PROTEINS, deficiency

idiopathic, pathogen., relation to achlorhydria)

(GASTRIC JUICE

achlorhydria in pathogen. of hypoproteinemia)

BRUCKNER, I., Prof.; FOTINO, S., dr.; BERCEANU, Doralina, dr.

Contributions to the natural history of viral hepatitis. Anatomo-clinical study of hepatic sequelae. Med. intern., Bucur. 11 no.12: 1783-1795 '59.

1. Lucrare efectuata in Clinica a Spitalului "Filantropia".
(HEPATITIS, INFECTIOUS, complications)

VASILESCU, V.; COVASNEANU, Zenobia; DUMITRESCU-PAPAHAGI, Elena; FOTINO, S.;
BITTMAN, E.; SUCMANSCHI, Maria; GHIZARI, Eugenia; IONESCU, C.

On some metabolic and hematological reactions of chemical workers to
nitroaromatic substances. Studii cerc fiziol 5 no.1:53-57 '60.

(EEAI 9:12)

1. Institutul de fizicologie normala si patologica "Prof. Dr.
D.Danielopolu al Academiei R.P.R. 2. Redactor responsabil adjunct,
Studii si cercetari de fiziologie (for Vasilescu)
(NITRO GROUP)
(AROMATIC COMPOUNDS)
(BLOOD)
(METABOLISM)
(CHEMICAL WORKERS)

VASILESCU, V.; BITTMAN, E.; FOTINO, S.; IONESCU, C.

Clinical and experimental studies on the action of some nitroaromatic derivatives upon the neuromuscular excitability. Studii cerc fiziol
5 no.1:59-65 '60. (EEAI 9:12)

1. Institutul de fiziologie normala si patologica "Prof. Dr.
D.Danielopolu" Al Academiei R.P.R.

(NITRO GROUP)
(AROMATIC COMPOUNDS)
(NERVOUS SYSTEM)
(MUSCLES)
(CHLORONITROBENZENE)
(TRINITROTOLUENE)
(NITRONAPHTHALENE)

FOTINO, S.; BERCEANU, Doralina

Contributions to the study of the relations between acetylcholine
and histamine. Studii cerc fizici 5 no.2:389-398 '60. (EEAI 10:2)

l. Institutul de fiziologie normal si patologica "Prof. Dr.
D.Danielopolu" al Academiei R.P.R.
(ACETYLCHOLINE) (HISTAMINE)

FOTINO, Serban

Synergism between acetylcholine and histamine. Multivalent receptive substances in cells of end organs: a theory (preliminary note). Rev. sci. med. 5 no.1/2:35-39 '60.

{ACETYLCHOLINE pharmacol) (HISTAMINE pharmacol)
(MUSCLES pharmacol) (NERVE ENDINGS physiol)

VASILESCU, V.; COVASNEANU, Zenobia; DUMITRESCU-PAPA HAGI, Elena; FOTINO, S.;
BITTMAN, E.; SUCMANSCHI, Maria; GHIZARI, Eugenia; IONESCU, C.

Clinical and laboratory investigations concerning metabolic, hematological,
and neuromuscular excitability changes in workers from the nitro-aromatic
compounds chemical industry. Rumanian M Rev. no.1:275 Ja-Mr '61.

1. The "Prof. Dr. Danielopolu" Institute of Normal and Pathological
Physiology, Academy of the R.P.R., Director: Acad. Gr. Benetato.
(METABOLIC DISEASES) (BLOOD DISEASES)
(NERVE ENDINGS diseases) (OCCUPATIONAL DISEASES)
(TRINITROTOLUENE toxicology)

FOTINO, Sh. [Fotino, S.]

Role of the adrenergic autonomic system in the pathogenesis
of hypertension. Terap. arkh. 34 no.10:11-19 0'62

(MIRA 17:4)

1. Iz klinicheskogo otdela Instituta normal'noy i patologiches-
koy fiziologii imeni prof. D. Daniyelopoli Akademii Rumynskoy
Narodnoy Respubliki (dir. - akademik G. Benetato).

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CIA-RDP86-00513R000413520015-0

FOTINO, S.; RAIȚIULESCU, N.

Arterial hypertension ^{caused} by cerebral vascular occlusion.
Stud. cercet. med. intern. 5 no.58481-491 '62

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CIA-RDP86-00513R000413520015-0"

SYRBU, P. [Sirbu, P.]; NANDRISH, A. [Nandris, A.]; FOTINO, Ye. [Fotino, E.];
ZUGREVESCU, A. [Zugravescu, A.]

Prevention and therapy of hemolytic disease of the newborn. Treatment of the seroimmunized puerpera with corticosteroids and of the newborn infant with blood transfusions and corticosteroids. Akush. i gin. 38 no.5:80-84 S-0 '62.

(MIRA 17:11)

1. Iz gospitalya zhenskikh bolezney "Dzhulesht'", Bukharest i Instituta gematologii, Bukharest.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0

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CIA-RDP86-00513R000413520015-0"

SHAROVA, A.K.; FOTIYEV, A.A.

Production of titanium dioxide from the product of the sodium sulfate reduction smelting of an ilmenite concentrate. Izv.Sib.
otd.AN SSSR no.4:52-63 '59. (MIRA 12:10)

1. Ural'skiy filial Akademii nauk SSSR.
(Ilmenite) (Sodium sulfate) (Titanium oxides)

FOTIYEV, A.A.; ANDREYEV, V.M.

Combined experiments in producing titanium dioxide by smelting
with sodium sulfate. Izv. otd. AN SSSR no. 7:71-75 '59.
(MIRA 12:12)

1.Ural'skiy filial AN SSSR.
(Titanium oxides)

S/598/60/000/004/010/020
D217/D302

AUTHORS: Sharova, A.K., Demenev, N.V., Fotiyev, A.A. and
Ivakin, A.A.

TITLE: Production of titanium dioxide from ilmenite concentrates
by sodium sulphate melting

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Titan i yego
splavy. No. 4. Moscow, 1960. Metallurgiya titana, 95-101

TEXT: In all experiments, ilmenite concentrate from the Irshinsk depo-
sits, of 0.056 mm mesh size were used. The chemical composition of the
concentrate was as follows: 51.46% TiO_2 , 33.78% Fe, 1.04% Al_2O_3 , 1.56%
 SiO_2 , 0.86% MgO, 0.26% V_2O_5 , 0.42% MnO and traces of CaO. Wood charcoal
with an ash content of approximately 2% and 0.4 mm mesh size was used as
the reducing agent. The main reagent, Na_2SO_4 , is a natural product.
The charges of ilmenite concentrate, Na_2SO_4 and wood charcoal were

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D217/D302

Production of titanium ...

thoroughly mixed and transferred to porcelain or graphite crucibles. Charges weighing 200-300 grams were used for the experiments. The mixtures were melted in a silite furnace. It was assumed that the melting was complete at the moment when gases ceased to be evolved from the melt. Each crucible was then withdrawn from the furnace and the melt cast in a graphite mould. After cooling, the melt was ground and subjected to leaching with water and acid. The residue was calcined and analyzed for its iron and titanium dioxide content. When ilmenite concentrates are melted with Na_2SO_4 , the following reaction occurs: $\text{FeTiO}_3 + \text{Na}_2\text{SO}_4 + 2\text{C} = \text{FeS} + \text{Na}_2\text{TiO}_3 + 2\text{CO}_2$. The reaction intensity depends among other factors on the method of melting and the surface area of contact of the various phases. In order to find the conditions under which maximum extraction of iron in aqueous leaching is attained, the following factors were studied: Volume ratio between solid and liquid, time of stirring, temperature of leaching and degree of grinding of the melts. In all experiments, leaching was carried out at 25°C for 15 minutes. The

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S/598/60/000/004/010/020

D217/D302

Production of titanium ...

particle size of the melt was 1.6-0.85 mm. It was found that complete extraction of iron from the melt can be attained only when the sodium sulphate and carbon contents in the charge are sufficiently high. The optimum ratio between concentrate, sodium sulphate and wood charcoal in the charge (in parts-by-weight) is 1:2:0.6. At 1000-1050°C, complete decomposition of the ilmenite concentrate occurs (up to 98 or 99%). No melting of the charge occurs up to 900°C. At higher temperatures, intense melting occurs with much evolution of gas and a homogeneous fluid melt is formed. Extraction of iron sulphide into the solution depends on the time of leaching and the degree of grinding of the melt. An increase in the time of leaching from 15 to 60-90 minutes decreases the amount of iron extracted into the solution owing to the transformation of the sulphide from a soluble form into a gel. The optimum conditions for extracting iron sulphide in the aqueous solution (up to 80 or 85%) are as follows: ratio solid: liquid = 1:10, solution temperature - 70-80°C, degree of comminution of the melt = 2-3 mm and time of leaching - 15-20 minutes. As a result of treating the residue, titanium dioxide

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Production of titanium ...

S/598/60/000/004/010/020
D217/D302

is obtained in a form suitable for metallurgical purposes and for producing titanium tetrachloride. There are 5 figures, 1 table and 9 references: 6 Soviet-bloc and 3 non-Soviet-bloc. The reference to the English-language publication reads as follows: J.C. Witt, Am. Chem. Soc., 43, no. 4, 734, 1921.

Card 4/4

FOTIYEV, A.A.

Behavior of sodium sulfite during the reduction of sodium sulfate by carbon. Izv.Sib.odt.AN SSSR no.9:107-112 '60. (MIRA 13:11)

1. Ural'skiy filial AN SSSR.
(Sodium sulfite)

FOTIYEV, A.A.

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N '62. (MIRA 15:12)
(Sodium sulfate) (Carbon) (Thermodynamics)

BAMBUROV, V.G.; FOTIYEV, A.A.

Interaction of titanium dioxide with potassium hexafluosilicate.
Izv. SO AN SSSR no.11 Ser.khim.nauk no.3:42-49 '63. (MIRA 17:3)

1. Ural'skiy filial AN SSSR, Sverdlovsk.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0

GLAZYRIN, M.P.; FOTIYEV, A.A.

Optical properties of sodium vanadate crystals. Kristallografiia
9 no.2:287-289 Mr-Ap'64. (MIRA 17:5)

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APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0"

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Kristallografiia 9 no.4:506-510 Jl-Ag '64. (MIRA 17:11)

I. Ural'skiy filial AN SSSR, Institut khimii.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0

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1. Institut khimii Ural'skogo filiala AN SSSR.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0"

"APPROVED FOR RELEASE: 06/13/2000

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SLOBODIN, B.V.; FOTIYEV, A.A.

Phase diagram of the $\text{Na}_2\text{O} - \text{V}_2\text{O}_5$ system. Zhur. prikl. khim.
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1. Institut khimii trakt'skogo filiala AN SSSR.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0"

FOTIYEV, A.A.; SLOBODIN, B.V.

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Zhur. neorg. khim. 10 no.1:150-159 Ja '65.

(MIRA 18:11)

I. Institut khimi Ural'skogo filiala AN FSSR. Submitted
Nov. 14, 1963.

FOTIYEV, A.A.; SLOBODIN, B.V.

Kinetics of the formation of vanadium bronze $\text{NaV}_6\text{O}_{15}$
during the reaction of sodium sulfate with vanadium pentoxide.
Zhur. prikl. khim. 38 no.3:499-504 Mr '65. (MIRA 18:11)

1. Institut khimii Ural'skogo filiala AN SSSR. Submitted
May 13, 1963.

CHUVATOV, V.V.; BEREZIN, N.N.; METSGER, E.Kh.; NAGIN, V.A.; KARTASHOV, N.A., kand. tekhn. nauk, dots.; MIL'KOV, N.V., kand. tekhn. nauk; BYCHKOV, M.I., kand. tekhn.nauk, dots.; SUKHANOV, V.P., SHLYAPIN, V.A.; KORZHENKO, L.I.; ABRAMYCHEV, Ye.P.; KAZANTSEV, I.I.; YARES'KO, V.F.; LUKOYANOV, Yu.N.; DUDAROV, V.K.; BALINSKIY, R.P.; KOROTKOVSKIY, A.E.; PONOMAREV, I.I.; NOVOSEL'SKIY, S.A., kand. tekhn.nauk, dots.; IL'INYKH, N.Z.; TSITKIN, N.A.; ROGOZHIN, G.I.; PRAVOTOROV, B.A.; ORLOV, V.D.; RACHINSKIY, M.N.; KULTYSHEV, V.N.; SMAGIN, G.N.; KUZNETSOV, V.D.; MACHERET, I.G.; SHEGAL, A.V.; GALASHOV, F.K.; ANTIPIN, A.A.; SHALAKHIN, K.S.; RASCHIKTAYEV, I.M.; TISHCHENKO, Ye.I.; FOTIYEV, A.F.; IPPOLITO, M.F.; DOROSINSKIY, G.P.; ROZHkov, Ye.P.; RYUMIN, N.T.; AYZENBERG, S.L.; GOLUBTSOV, N.I.; VUS-VONSOVICH, I.K., inzh., retsenzent; GOLOVKIN, A.M., inzh., retsenzent; GUSELETOV, A.I., inzh., retsenzent; KALUGIN, N.I., inzh., retsenzent; KRAMINSKIY, I.S., inzh., retsenzent; MAYLE, O.Ya., inzh., retsenzent; OZERSKIY, S.M., inzh., retsenzent; SKOBLO, Ya.A., dots., retsenzent; SPERANSKIY, B.A., kand. tekhn. nauk, retsenzent; SHALAMOV, K.Ye., inzh., retsenzent; VOYNICH, N.F., inzh., red.; GETLING, Yu., red.; CHERNIKHOV, Ya., tekhn. red.

[Construction handbook] Spravochnik stroitelia. Red.kollegija: M.I. Bychkov i dr. Sverdlovsk, Sverdlovskoe knizhnoe izd-vo. Vol.1. 1962. 532 p. Vol.2. 1963. 462 p. (MIRA 16:5) (Construction industry)

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CIA-RDP86-00513R000413520015-0

FOTIYEV, A. V. and PETELIN, V. P.

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PETELIN, V.P.; FOTIYEV, A.V.

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Trudy Inst.eksan. 19:291-293 '56. (MLRA 10:2)

(Chemistry, Analytical--Quantitative)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0"

LISITSYN, A.P.; FOTIYEV, A.V.

Unit weight of modern sediments in the Bering Sea. Dokl.AM SSSR
108 no.1:75-78 My '56. (MLRA 9:8)

1. Predstavлено академиком Н.М. Страховым.
(Bering Sea--Sedimentation and deposition)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0

FOTIYEV, A.V.

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(MIRA 18:2)

1. Institut biologii vnutrennikh vod AN SSSR.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0

FOTIYEVA, L.A., chlen Kommunisticheskoy partii Sovetskogo Soyuza s 1904 goda

Always and in everything follow the precepts of Il'ich. Komm. Vozruzh.
Sib 4 no.21:30-36 N 63. (MIRA 17:1)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0"

FOTIYEV, M.M., inzhener.

Improve the lighting of coal mine stopes. Svetotekhnika 3 no.9:10-13
(MILIA 10:9)
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1. Vsesoyuznyy ugol'nyy institut.
(Coal mines and mining--Lighting)

POTIYEV, I.M., Cand Tech Sci--(disc) "Maintaining the ~~electro~~ voltage rate
in the illumination ~~systems~~ mining sites." Nov, 1958. 13 pp
(Main Administration of the Sci Res and Project Organizations under the
Gosplan of the USSR. All-Union Sci Res Coal Inst), 150 copies
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CIA-RDP86-00513R000413520015-0

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tekhn. red.; LOMDINA, L.I., tekhn. red.

[Lighting in underground mining] Osvechchenie podzemnykh vyrabotok.
Moskva, Ugletekhnizdat, 1958. 40 p.
(MINE lighting)

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CIA-RDP86-00513R000413520015-0"

"APPROVED FOR RELEASE: 06/13/2000

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Automatic charging unit for mine-lamp rooms. Mekh.i avtom.proizv.
14 no.5:13-15 My '60. (MIRA 14:2)
(Mine lighting—Batteries)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0"

POTIYEV, M.M., kand.tekhn.nauk

Concerning the lighting of mines by use of storage batteries.
Svetotekhnika 6 no.8:19-22 Ag '60. (MIRA 13:11)

1. Institut gornogo dela AN SSSR.
(Mines and mineral resources--Lighting)
(Electricity in mining)

FOTIYEV, M.M., kand.tekhn.nauk

Electric light fixtures with automatic voltage regulation for
mines. Svetotekhnika 6 no.10:9-12 0 '60. (MIRA 13:9)

1. Institut gornogo dela AN SSSR.
(Mine lighting)

FOTIYEV, Mikhail Mikhaylovich, kand.tekhn.nauk; SHEVYAKOV, Nikolay
L'vorich, kand.tekhn.nauk; MIRSKAYA, V.V., red.izd-va;
SHILYAR, S.Ya., tekhn.red.; SABITOV, A., tekhn.red.

[Mine lighting] Rudnickoe osveshchenie; spravochnik.
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu,
1961. 152 p. (MIRA 14:12)

(Mine lighting)

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FOTIYEV, M.M.

Stabilized charging device using germanium diodes. Prom. energ.
16 no.8:15-19 Ag '61. (MIRA 14:9)
(Electric current rectifiers)
(Storage batteries)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0"

FOTIYEV, M.M., kand.tekhn.nauk

"Electric lighting in mines" by K.V.Vasil'ev. Reviewed by M.M.
Fotiev. Svetotekhnika 7 no.9:30-31 S '61. (MIRA 14:9)
(Mines and mineral resources--Lighting)

"APPROVED FOR RELEASE: 06/13/2000

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lighting devices. Vest. elektroprom. 32 no.7:79-80 Jl '61.
(MIRA 14:10)

(Mine lighting) (Storage batteries)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0"

AFANASENKO, Vasiliy Ivanovich; SEROBABA, Vasiliy Fedorovich;
FOTIYEV, M.M., nauchnyy red.; PROKOF'YEV, L.G., red.;
NESMYSLOVA, L.M., tekhn. red.

[On the job training of electricians in the maintenance of
automatic control equipment and general stationary instal-
lations in mines] Proizvodstvennoe obuchenie elektroslesarei
po obsluzhivaniyu obshcheshakhtnykh statsionarnykh ustanovok
i sredstv avtomatizatsii; metodicheskoe posobie. Moskva,
Proftekhizdat, 1962. 87 p. (MIRA 16:6)
(Mining machinery--Maintenance and repair)

SAMOKHIN, Fedor Ivanovich, inzh.; LEVIKOV, Abram Mendeleyevich, inzh.;
MAVRITSYN, Aleksandr Mikhaylovich, inzh.; Prinimal uchastiye
SNESHKO, Ye.I., inzh.; FOTIYEV, M.M., otv. red.; BELOV, V.S., red.
izd-va; PROZOROVSKAYA, V.L., tekhn. red.; MINSKER, L.I., tekhn.red.

[Electrical engineering in mining] Gornaia elektrotehnika. Moskva,
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(Electricity in mining)

FOTIYEV, S.M.
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Conditions for the effectiveness of various means of land improvement through heating. Izv. AN SSSR. Ser. geog. no.6:18-32 N-D '57.
(MIRA 11:1)

1. Institut merzlotovedeniya im. V.A. Obrucheva.
(Agricultural engineering)

FOTIYEV,
[REDACTED], S. M. Cand Geol-Min Sci -- (diss) "Physicogeographical and geological
prerequisites to the effectiveness of various methods of thermal improvement
of [REDACTED] rocks." Mos, 1958. 15 pp (Acad Sci USSR. Inst of [REDACTED]
Studies [REDACTED] Permafrost
[REDACTED] -Gangolization im V. A. Obruchev), 120 copies (KL, 13-58, 94)

FOTIYEV, S.M.

Principles underlying the division of the permafrost area into regions for the purpose of thermal elimination of permafrost conditions in soils and frozen rocks. Trudy Inst.merzl.AN
SSSR 16:150-159 '60. (MIRA 1);4)
(Salekhard region--Frozen ground)
(Low temperature engineering)

FOTIYEV, S.M.

Composition and genesis of salt deposits on ice in southern
Yakutia. Trudy Inst.mersl.AN SSSR 18:89-97 '62. (MIRA 16:2)
(Yakutia--Salt deposits)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0

FOTIYEV, S.M.

Nakhot thermal mineral springs in southern Yakutia. Geol. i
geofiz. no.8:109-113 '63. (MIRA 16:10)

1. Institut merzlotovedeniya imeni V.A. Obrucheva AN SSSR,
Yakutsk.

(Yakutia—Thermal waters—Analysis)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0

FOTIYEV, S.M.; LUGOVOY, P.N.

Increased water content of the crystalline rocks in the western part of the Aldan Shield. Mat. Kom. po izuch. podzem. vod. Sib. i Dal' Vcst. no.2:164-175 '62. (MIRA 17:8)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0"

FOTIYEV, S.M.

Chemical composition of atmospheric precipitation in the
region of the settlement of Chul'man in the Yakut A.S.S.R.
Gidrokhim.mat. 36:3-14 '64.

(MIRA 18:11)

1. Institut merzlotovedeniya imeni V.A.Obrucheva, Moskva.
Submitted August 14, 1961.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0

FOTIEV, V.M.

SIZOV, K.P., inzh.; FOTIEV, V.M., inzh.

"Repairs of industrial equipment" by N.P. Riabov. Reviewed by K.P.
Sizov, V.M. Fotiev. Mashinostroitel' no.946-48 S '57. (MLRA 10:9)
(Machinery--Maintenance and repair)
(Riabov, N.P.)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0"

BOYKO, Fedor Ivanovich; KAMANSKIY, G.A., kand.tekhn.nauk, ratsenzerent;
FOTIYEV, V.M., red.; SOKOLOVA, T.F., tekhn.red.

[Rolling stock of the industrial transportation system]
Pervizhnoi sostav promyshlennogo transporta. Izd. 2., dop. 1
ispr. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry.
1958. 205 p. (MIRA 12:1)

(Railroads--Rolling stock)

117-58-5-12/24

AUTHOR: Fotiyev, V.M., EngineerTITLE: Differential Pressure Regulator With Balanced Membrane
(Differentsial'nyy regul'ator davleniya s razgruzhennoy membranoy)

PERIODICAL: Mashinostroitel', 1958, Nr 5, pp 28-29 (USSR)

ABSTRACT: The differential pressure regulator serves to maintain a constant pressure drop on the control valve. Regardless of the pressure fluctuation before or after the system P and P₂, the pressure drop on the control valve must remain constant, viz P₁ - P₂ (see diagram). The old model regulators used a rubber membrane with a canvas reinforcement to withstand high pressure; the stronger construction, however, involved a loss of sensitiveness. The Construction Bureau "Tsvetmetavtmatika" has developed a new improved type of differential pressure regulator with a balanced (pressure relieved) membrane. Under all pressure changes of P₂, upper and lower pressures exerted on the membrane are balanced; it follows that the pressure drop on the membrane is determined by the pressure drop on the control point adjuster which constitutes the difference between P₁ - P₂ (see diagram 1).

Card 1/2

Differential Pressure Regulator With Balanced Membrane

117-58-5-12/24

Figure 2 shows a cross section through the improved control-point adjuster-setter with built-in bellows. Figure 3 is a cross section of the improved differential pressure regulator with balanced membrane. The new setter and regulator have been successfully tested and introduced into the Krasnouralskiy medeplavil'nyy zavod (Krasnouralsk Copper Smelting Plant) in the automatic feeding system of the boiler utilizers. There are 5 figures.

AVAILABLE: Library of Congress

Card 2/2 1. Boilers systems 2. Pressure regulators-Development

MYSHKIN, Vyacheslav Grigor'yevich; ISTOMIN, G.P., inzh., retsenzent;
FOTIYEV, V.M., inzh., red.; SAVEL'YEV, Ye.Ya., red.izd-va;
~~MOZHAEV, D.T.~~, tekhn.red.

[Crane trucks] Avtomobil'nye krany. Moskva, Gos.nauchno-
tekhn.izd-vo mashinostroit.lit-ry, 1959. 198 p. (MIRA 12:11)
(Cranes, derricks, etc.)

BESSONOV, L.A.; RTEMNOVA, T.I., red.; TUPITSYNA, L.A., red.;
FOTIYEV, V.M., red.

[Nonlinear electrical networks] Nelineinyye elektricheskie
tsepi. Izd.2., perer. i dop. Petrozavodsk, Vysshiaia
shkola, 1964. 429 p. (MIRA 17:8)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0

LENIN, V.I., STEKLOV, V., sostavitel', POTIYRVA, L., sostavitel', CHERNYSHEV,
D.I., red.; BORULYA, V.L., red.; VORONIN, K.P., tekhn.red.

[Electrification] Ob elektrifikatsii. [Moskva] Gosenergoizdat,
1958. 382 p.
(Electrification) (MIRA 11:9)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413520015-0"

FUTIYEVA, L. A.

"The Time Required for the Recovery of Work Capacity After an Appendectomy." Cand Med Sci, Chair of General Surgery, Leningrad Sanitary-Hygiene Medical Inst, Min Health RSFSR, Leningrad 1955. (KL, No 9, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertation Defended at USSR Higher Educational Institutions.
(1b)

FOTIYEVA, L.A., kandidat meditsinskikh nauk (Leningrad, Starorusskaya ul.,
d. № 20, kv. 155)

Time required for recovery from disability following an appendectomy
[with summary in English, p.160] Vest.khir. 77 no.8:101-107 Ag '56.

1. Iz kliniki obshchey khirurgii (sav. - prof. I.M.Tal'man) Leni-
gradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta
(APPENDICITIS, surg.)

postop. restoration of work capacity)
(WORK
capacity restoration after appendectomy)

FOTIYEVA, L.A. (Leningrad, Starorusskaya ul. d.5/20, kv. 155)

A foreign body in the gastric wall. Vest.khir. 78 no.6:121-122 Je '57.
(MIRA 10:8)

1. Is kliniki obshchey khirurgii (zav. - prof. I.M.Tal'man) Leninskogo sanitarno-gigiyenicheskogo meditsinskogo instituta
(STOMACH, foreign bodies
fish bone in gastric wall)

FOTIYeva, L.I.

FOTIYeva, L.I.

Communication facilities in V.I.Lenin's Kremlin office. Vest.sviashi
17 no.10:47-48 0 '57. (MIRA 10:11)

1. Sekretar' Sovnarkoma, Soveta Truda i Oborony i sekretar' V.I.Lenina.
(Lenin, Vladimir Il'ich, 1870-1924)

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CIA-RDP86-00513R000413520015-0

FOTIYEVA, L.O.

Leader, teacher, and friend. Znan. ta pratsia no.4:6 Ap '60.
(MIRA 14:12)
(Lenin, Vladimir Il'ich, 1870-1924)

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CIA-RDP86-00513R000413520015-0"

IVANOV, A.V.; MOTIYEEVA, N.N.; OSIPOVA, R.P.; KONOVALOVA, M.V.

Stratigraphy, and oil and gas potentials of Permian sediments
in the southeastern part of the Pechora Depression and upper
Pechora Valley. Trudy VNIGRI no.133:204-232 '59.

(MIRA 13:1)

(Pechora Valley--Petroleum geology)
(Pechora Valley--Gas, Natural--Geology)

FOTIYEVA, N.N.

Tournai Chonetes in the Timan-Pechora region. Paleont.zhur.
no.4:100-108 '61. (MIRA 15:3)

1. Institut geologii i razrabotki goryuchikh iskopayemykh AN SSSR.
(Timan Ridge--Strophomenacea, Fossil)
(Pechora Valley--Strophomenacea, Fossil)

TEODOROVICH, G.I.; BAGDASAROVA, M.V.; GROZDILOVA, L.P.; LEBEDEVA, N.S.;
FOTIYeva, N.N.

Stratigraphy of the Upper Tournaisian and Lower Visean stages on
the western slope of the Southern Urals (Usuyli River layer).
Dokl.AN SSSR 149 no.1:166-169 Mr '63. (MIRA 16:2)

1. Predstavleno akademikom A.L.Yanshinym.
(Ural Mountains—Geology, Stratigraphy)

FOTIYEVA, N.N.

Additional stresses occurring in the linings of two parallel tunnels in the driving between them of a third. Fiz.-tekhn. probl. razrab. pol. iskop. no.4:9-24 '65. (MIRA 19:1)

1. Nauchno-issledovatel'skiy institut osnovaniy i podzemnykh sooruzheniy, Moskva. Submitted Feb. 18, 1965.